Name: Date: Period:

**Design and Run an Experiment Rubric**

**(5-10 seeds, soil, and 1-2 dixie cups)**

Time on Task: 25 points

* Did you spend your time wisely? Are you taking care of your seeds? Are you recording notes and observations? Are you discussing/sharing with peers?

Testable Question: 5 points

* Stated concisely with detail

Hypothesis: 5 points

* If….then…. and it matches your testable question exactly

Materials: 10 points

* List of all supplies, every item used

Experimental Protocol: 35 points

* Step by step dialogue of EXACTLY EVERYTHING you did AND continued to do throughout the entire experiment
* Things to think about:
  + How exactly did you plant your seeds?
  + Amount of soil?
  + Amount of water?
  + Seed types and seed placement in cup, in soil
  + How often are you watering?
  + Where is your plant located?
* Other pertinent information or details

Data: 35 points

* Observations about seed/cup/soil/plant; written notes daily
* Pictures/sketches of plant
* Plant growth (chart, graph)
* Comparisons, if you have 2 plants

Conclusion: 35 points

* Summary statement of all data collected
* Is your hypothesis correct? (You won’t lose points, if it isn’t.)
* At least 3 sources of possible error
* At least 3 sources of possible design improvements

TOTAL: \_\_\_\_\_\_\_\_\_\_\_/150 points